

**ADDENDUM NUMBER FOUR  
TO  
OAK RIDGE WATER TREATMENT PLANT  
CITY OF OAK RIDGE, TENNESSEE**

Addendum Number Four (4) is issued the 24<sup>th</sup> day of August 2022 to all parties who hold a set of Bid Documents for the above-named project. Each Bidder shall acknowledge receipt of this Addendum on the Bid and shall incorporate all changes in the Bid. This addendum consists of four (4) pages and (1) attachment.

**QUESTIONS:**

1. **Question:** Can the DBE solicitation letters be emailed (with saved read receipts) to prospective subcontractors/supplier?  
**Response:** Yes.
2. **Question:** Section 33 16 13.15, Paragraph 2.01 and 2.02 states the minimum design strength for concrete and shotcrete for the clearwell shall be 4000 psi. Drawing 001-G-0006 states liquid containing structures shall be 5000 psi. Please confirm 4000 psi concrete and shotcrete is to be used for the clearwell.  
**Response:** 4,000 psi concrete is to be utilized for shotcrete and 5,000 psi concrete is to be utilized for liquid containing structures, including the Prestressed Concrete Tank foundation.
3. **Question:** Section 33 16 13.15, Paragraph 2.10, G states through-wall pipe sleeves are included with the clearwell accessories. The drawings for the clearwell are not showing any through-wall pipes. Please confirm the clearwell does not have any through-wall pipes.  
**Response:** The Clearwell does not have any through wall pipes.
4. **Question:** Section 33 16 13.15, Paragraph 2.10, J and K states the clearwell is to have an overflow pipe with special design weir box. This overflow is not shown on the clearwell drawings. Please confirm if the clearwell has an overflow pipe. If so, please provide details for the overflow and weir box, and provide the specified overflow rate.  
**Response:** See Addendum No. 4 – MODIFICATIONS - SPECIFICATIONS.
5. **Question:** Drawing 400-C-5001 shows three baffle curtains in the clearwell. Please provide the spacing between the baffle curtains and the lengths of each.  
**Response:** See Addendum No. 4 – MODIFICATIONS - DRAWINGS.
6. **Question:** Section 09 90 00 Painting and Coating, Paragraph 3.07-D – There is no coating system detailed under System No. 3, can you please advise?  
**Response:** Submerged metal in contact with potable water shall be coated with System No. 1. Submerged metal in contact with raw water, sewage or residuals shall be coated with System No. 2. See Addendum No. 4 – MODIFICATIONS - SPECIFICATIONS.
7. **Question:** Section 44 42 56.18, 2.01-B – Since the design of this pump places it in the path of the flow, there should not exist a condition where the pump would operate partially submerged or totally dry. Please consider removing this language from the specification.  
**Response:** See Addendum No. 4 – MODIFICATIONS - SPECIFICATIONS.

8. **Question:** Section 44 42 56.18, 2.03 – Please consider adding language in this section that the contractor should coordinate with the equipment manufacturer/supplier to provide any required equipment specific devices (e.g. vortex suppressors).  
**Response:** See Addendum No. 4 – MODIFICATIONS - SPECIFICATIONS.
9. **Question:** Section 44 42 56.18, 2.03-C.1 –Please confirm that Duplex SS ASTM A890 4A is an acceptable equal to 316 SS.  
**Response:** SS ASTM A890 is noted as acceptable for the pump impeller on the Pump Data Sheet. See Addendum No. 4 – MODIFICATIONS - SPECIFICATIONS.
10. **Question:** Section 44 42 56.18, 2.03-C.4 – The pump bellmouth and diffuser shroud are only able to be offered in ASTM A48 Class 35B cast iron. Please confirm this is an acceptable material.  
**Response:** See Addendum No. 4 – MODIFICATIONS - SPECIFICATIONS.
11. **Question:** Section 44 42 56.18, 2.03-H – Sulzer does not offer grounding rings with their submersible motors, but Sulzer is able to offer an insulated upper bearing. Would this be acceptable?  
**Response:** Yes, insulated or ceramic bearings on the end opposite the ground ring are acceptable.
12. **Question:** Section 44 42 56.18, 2.04-B – Anchor bolts are only applicable to the discharge tube, and this will be provided by a third party; not the pump manufacturer. Please consider altering this language to place responsibility for anchor bolt design on the installing contractor.  
**Response:** The loadings on the discharge tube will require coordination between the pump manufacturer, their tube supplier and the installing contractor. Sizing of the anchor bolts shall be by the equipment manufacturer. Anchor bolts will be provided and installed by the Contractor.
13. **Question:** Section 44 42 56.18, 2.05-A – Please consider the manufacturer’s standard 16 mils DFT two-part epoxy coating system as an acceptable paint system.  
**Response:** The manufacturers standard PPG Industries coating system appears to meet the requirements of Coating System No. 2.
14. **Question:** Section 44 42 56.18, 2.06-A.1.a – Please consider specifying an Acceptance Grade 1U.  
**Response:** See Addendum No. 4 – MODIFICATIONS - SPECIFICATIONS.
15. **Question:** Section 44 42 56.18, 3.03-B.1 & 2 – The manufacturer will be able to provide factory vibration testing services to confirm the pumps meet HI 11.6 acceptance criteria. System-level vibration values are driven by items outside of the manufacturer’s scope. Please consider adding language that costs and time for replacement of non-conforming units shall be the responsibility of the contractor.  
**Response:** Paragraph B.2 does not place responsibility for replacement of pumps that do not meet vibration testing requirements on any specific party. Installed units may have a number of factors influencing vibration that would be investigated during testing.
16. **Question:** Section 44 42 56.18, Supplement 1-2 Column Pipe Diameter – Please consider altering language to state 28-inch max for column pipe nominal diameter.  
**Response:** See Addendum No. 4 – MODIFICATIONS - SPECIFICATIONS.
17. **Question:** Section 44 42 56.18, Supplement 1-2 Column Pipe Material; Drawing 200-D-2001 – The column pipe diameter is called out as Carbon Steel in the Supplement pages

of the spec. Drawing 200-D-2001 refers to DIP for the pump columns. Please confirm that carbon steel is to be provided.

**Response:** See Addendum No. 4 – MODIFICATIONS - DRAWINGS.

**MODIFICATIONS:**

**CONTRACT DOCUMENTS**

The following specification section modifications are hereby made a part of the above referenced Project Contract Documents:

**Anderson County TN Davis-Bacon Building Construction-TN20220176 05.06.22**

REPLACE in its entirety with “Anderson County TN Davis-Bacon Building Construction 08.22.22.pdf” attached.

**SPECIFICATIONS**

The following specification section modifications are hereby made a part of the above referenced Project Contract Documents:

**Section 07 14 00, Fluid Applied and Sheet Membrane Waterproofing**

Paragraph 2.01, A, 2. – ADD W.R. Meadows Hydrolastic 836 to the list of products.

Paragraph 2.01, B, 2. – ADD W.R. Meadows Precon to the list of products.

**Section 09 90 00, Painting and Coating**

Paragraph 3.07, D. – DELETE this paragraph in its entirety and renumber subsequent paragraphs.

**Section 33 16 13.15 Prestressed Concrete Tank with Steel Diaphragm**

Paragraph 2.10, K. – DELETE this paragraph in its entirety and renumber subsequent paragraphs.

**Section 44 42 56.02 Horizontal Split-Case Centrifugal Pumps**

Paragraph 2.03, A. – DELETE this paragraph in its entirety. ADD “Sealing system for horizontal split case centrifugal pumps shall be as indicated in pump data sheet.”

**Section 44 42 56.04 Submersible Pumps**

Paragraph 2.06, A, 1.a – REPLACE “Grade 1B” with “Grade 1U”

Submersible Pump Data Sheet, Residual Pumps, Manufacturer and Model Number: ADD  
“(3) KSB Amarex D-max 80-230”

Submersible Pump Data Sheet, Sewer Lift Station, Manufacturer and Model Number: ADD  
“(3) KSB Amarex D-max 80-140”

**Section 44 42 56.18 Submersible Propeller Pumps**

Paragraph 2.01.B – DELETE “and intermittent operation when totally dry”.

Paragraph 2.03.A. ADD “Vortex suppressors shall be supplied and installed if required by the equipment furnished.”

Paragraph 2.03.C.1 – ADD “or as noted on the Pump Data Sheet” after Type 316 stainless steel.

Paragraph 2.03.C.4. – ADD “or ASTM A48 Class 35B” after Type 316 stainless steel.

Paragraph 2.06.A.1.a – ADD “,Grade 1U” after HIS 11.6.

Paragraphs 2.04.B, 2.05.A. and 3.02.A. – CHANGE Finish System to “System No. 1”

Submersible Pump Data Sheet, Design and Materials, Column Pipe Diameter – CHANGE to “28-inches maximum.

## DRAWINGS

The following drawing modifications are hereby made a part of the above referenced Project Contract Documents:

**200-D-2001** Wetwell Floor Plan and Section A, **200-D-2003** Section A and **200-D-3001** Section C – DELETE “DIP” from the label of the Raw Water Vertical Flanged Pump Columns.

**350-M-7004** – HVAC System Control Architecture – ADD the following note.

1. The Supervisory Building Controller (SBC) shall be connected to the existing City of Oak Ridge DDC controls system, (Automated Logic Controls). The existing Automated Logic Web CTRL software shall be upgraded with the latest version available at time of install.

**400-C-5001** – Plan - ADD the following label to the baffle curtain:

“The three (3) baffle curtain sections are each 50 feet long and spaced 20 feet apart.”

This Addendum Number Four (4) is issued this the 24<sup>th</sup> day of August 2022.

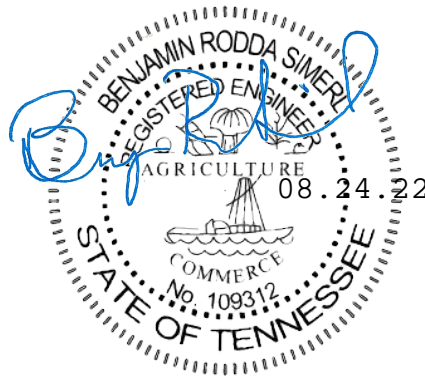
**Ben Simerl, P.E.**

# Jacobs

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Superseded General Decision Number: TN20210176

State: Tennessee

Construction Type: Building  
 BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories)

County: Anderson County in Tennessee.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	. Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$15.00 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2022.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	. Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$11.25 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2022.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Modification Number	Publication Date
0	03/11/2022
1	04/22/2022
2	05/06/2022
3	07/15/2022

ASBE0086-002 03/01/2022

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR.....	\$ 33.25	17.22

CARP0050-003 09/03/2020

	Rates	Fringes
CARPENTER.....	\$ 23.48	13.70

\* ELEC0270-001 06/01/2022

	Rates	Fringes
ELECTRICIAN (Excludes Low Voltage Wiring).....	\$ 33.38	5%+11.50
ELECTRICIAN (Low Voltage Wiring Only).....	\$ 32.96	11%+8.10

ENGI0917-003 05/01/2017

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
Backhoe/Trackhoe/Excavator..	\$ 28.26	10.10
Bulldozer.....	\$ 28.26	10.10
Crane.....	\$ 28.26	10.10

IRON0492-001 05/01/2021

	Rates	Fringes
IRONWORKER, ORNAMENTAL.....	\$ 30.35	15.36
IRONWORKER, REINFORCING.....	\$ 30.35	15.36

LAB00818-005 05/01/2021

	Rates	Fringes
LABORER (Pipelayer).....	\$ 21.45	8.06
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PLUM0102-001 03/17/2021		
	Rates	Fringes
PIPEFITTER.....	\$ 43.21	27.90
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SHEE0005-002 05/01/2021		
	Rates	Fringes
SHEET METAL WORKER (SIDING (METAL/ALUMINUM/VINYL)).....	\$ 32.29	12.62
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SHEE0005-003 05/01/2021		
	Rates	Fringes
SHEET METAL WORKER (HVAC Duct Installation Only).....	\$ 32.29	12.62
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SHEE0005-004 05/01/2021		
	Rates	Fringes
SHEET METAL WORKER (HVAC Unit Installation Only).....	\$ 32.29	12.62
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SHEE0005-007 05/01/2021		
	Rates	Fringes
SHEET METAL WORKER (Excludes HVAC Duct and Unit Installation).....	\$ 32.29	12.62
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TEAM0519-001 05/01/2021		
	Rates	Fringes
TRUCK DRIVER (Dump Truck).....	\$ 24.81	8.10
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* SUTN2017-029 04/16/2021		
	Rates	Fringes
BRICKLAYER.....	\$ 20.00	0.00
CEMENT MASON/CONCRETE FINISHER...\$	22.67	4.11
IRONWORKER, STRUCTURAL.....\$	18.30	0.00
LABORER DEMOLITION.....\$	16.74	0.00
LABORER GRADE CHECKER.....\$	13.01 **	0.00
LABORER: Common or General.....\$	12.69 **	1.78
LABORER: Mason Tender - Brick...\$	13.54 **	0.00
LABORER: Mason Tender - Cement/Concrete.....\$	13.00 **	0.00
OPERATOR: Bobcat/Skid Steer/Skid Loader.....\$	16.84	0.00
OPERATOR: Drill.....\$	26.50	4.76
OPERATOR: Forklift.....\$	15.00	0.00
OPERATOR: Paver (Asphalt, Aggregate, and Concrete).....\$	14.70 **	0.00
OPERATOR: Roller.....\$	14.35 **	0.00
PAINTER (Brush and Roller).....\$	19.31	10.15
PLUMBER.....\$	21.63	7.16
ROOFER.....\$	16.29	0.00
TILE FINISHER.....\$	14.00 **	0.00
TILE SETTER.....\$	19.65	0.00
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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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\*\* Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$15.00) or 13658 (\$11.25). Please see the Note at the top of the wage determination for more information.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including

preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

#### Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

#### Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

#### Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the

Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISIO"